

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20060063273".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:03
L2	2	"5593565".pn. or "6027623".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 13:56
L3	0	L2 and (fractionate with into)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:29
L4	0	L2 and (fractionate near3 into)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:29
L5	1	L2 and (fractionate with "in")	US-PGPUB; USPAT	OR	ON	2007/04/26 13:30
L6	1	L2 and (fraction\$5 with "in")	US-PGPUB; USPAT	OR	ON	2007/04/26 13:31
L7	0	L2 and (fraction\$5 with "to")	US-PGPUB; USPAT	OR	ON	2007/04/26 13:31
L8	0	L2 and (fraction\$5 with "into")	US-PGPUB; USPAT	OR	ON	2007/04/26 13:31
L9	0	L1 and (ion\$5)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:32
L10	0	L1 and (ion)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:32
L11	1	L1 and (molecul\$3)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:33
L12	1	L1 and (separat\$4 with compartment)	US-PGPUB; USPAT	OR	ON	2007/04/26 13:33
L13	2200	(250/288,295).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:06
L14	2413	(436/47,52,53,180).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:07
L15	6112	(422/101-104).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:34
L16	9920	L13 or L14 or L15	US-PGPUB; USPAT	OR	ON	2007/04/26 14:08
L17	61	L16 and (separat\$5 with (compartment or segment)) and ((break\$4 or divid\$4) with (component or portion))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:29
L18	12	L17 and ((channel or tub\$4 or vessel) with valve with flow)	US-PGPUB; USPAT	OR	ON	2007/04/26 14:28
L19	17	L17 and (divid\$4 with compartment)	US-PGPUB; USPAT	OR	ON	2007/04/26 14:28
L20	13	L19 not L18	US-PGPUB; USPAT	OR	ON	2007/04/26 14:26

## EAST Search History

L21	7	"6111096".pn. or "6120985".pn. or "6127534".pn. or "6270723".pn. or "6274726".pn. or "6245506".pn. or "6258534".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:28
L22	0	L21 and (separat\$5 with (compartment or segment)) and ((break\$4 or divid\$4) with (component or portion))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:53
L23	0	L21 and ((channel or tub\$4 or vessel) with valve with flow)	US-PGPUB; USPAT	OR	ON	2007/04/26 14:44
L24	0	L21 and (divid\$4 with compartment)	US-PGPUB; USPAT	OR	ON	2007/04/26 14:28
L25	576	L16 and (separat\$5 with (compartment or segment))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:35
L26	5	L25 and (((break\$4 or divid\$4) adj3 (sample or substance)) with (component or portion))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:30
L27	8220	(422/100-104).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:34
L28	3243	(422/100).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 14:35
L29	173	L28 and (separat\$5 with (compartment or segment))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:35
L30	28	L29 and ((channel or tub\$4 or vessel) with valve with flow)	US-PGPUB; USPAT	OR	ON	2007/04/26 14:36
L31	27	L30 not L19	US-PGPUB; USPAT	OR	ON	2007/04/26 14:39
L32	28	L30 not L20	US-PGPUB; USPAT	OR	ON	2007/04/26 14:36
L33	86	L30 or L17	US-PGPUB; USPAT	OR	ON	2007/04/26 14:40
L34	1	L33 and (first adj4 (external adj3 (force or field))) and (second adj4 (external adj3 (force or field)))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:52
L35	0	L33 and (two adj4 oppos\$4 adj3 (external adj3 (force or field)))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:57
L36	62	L33 and ((fraction\$4 or separat\$4 or break\$4 or divid\$4) with (compartment or chjamber or channel))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:50
L37	72	L33 and ((fraction\$4 or separat\$4 or break\$4 or divid\$4) with (compartment or chamber or channel))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:43

## EAST Search History

L38	39	L37 and ((channel or tub\$4 or vessel or chamber) with valve with flow)	US-PGPUB; USPAT	OR	ON	2007/04/26 14:44
L39	21	L38 and ((divid\$4 or partition\$4) with (compartment or chamber or segment or tube or channel or partition))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:46
L40	72	L33 and ((fraction\$4 or separat\$4 or break\$4 or divid\$4 or dissociat\$4 or diintegrat\$4) with (compartment or chamber or channel or partition))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:55
L41	0	L40 not L37	US-PGPUB; USPAT	OR	ON	2007/04/26 14:52
L42	1	L40 and (first adj4 (external adj3 (force or field))) and (second adj4 (external adj3 (force or field)))	US-PGPUB; USPAT	OR	ON	2007/04/26 15:46
L43	0	L40 and (two adj4 oppos\$4 adj3 (external adj3 (force or field)))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:53
L44	0	L40 and (oppos\$4 adj3 (external adj3 (force or field)))	US-PGPUB; USPAT	OR	ON	2007/04/26 14:53
L45	7584	(separat\$5 with sample with (compartment or segment or partition or chamber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 15:42
L46	13769	((fraction\$4 or separat\$4 or break\$4 or divid\$4 or dissociat\$4 or diintegrat\$4) with sample with (compartment or chamber or channel or partition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 15:45
L47	4	L46 and (first adj4 (external adj3 (force or field))) and (second adj4 (external adj3 (force or field)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 14:59
L48	0	L46 and (two adj4 oppos\$4 adj3 (external adj3 (force or field)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 14:57

## EAST Search History

L49	4	L46 and (first adj4 (external near4 (force or field))) and (second adj4 (external adj3 (force or field)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 14:59
L50	2	L46 and (first adj4 (external near4 (force or field))) and (second adj4 (external near43 (force or field)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 15:00
L51	2	L46 and (dissociat\$4 with (external adj3 field))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 15:04
L52	31	L46 and ((dissociat\$4 or break\$4 or separat\$4 or divid\$4 or fractur\$4 or partition\$4 or fractionat\$4) with (external adj3 field))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 16:03
L53	2405	(435/29,173.9).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 15:37
L54	267	(356/344).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 15:39
L55	14014	L13 or L14 or L27 or L53 or L54	US-PGPUB; USPAT	OR	ON	2007/04/26 15:40
L56	2173	(204/451-453,547,549,556,600-603, 643,645).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/26 15:42
L57	15804	L55 or L56	US-PGPUB; USPAT	OR	ON	2007/04/26 15:43
L58	1018	L57 and (separat\$5 with sample with (compartment or segment or partition or chamber))	US-PGPUB; USPAT	OR	ON	2007/04/26 16:12
L59	1345	L57 and (separat\$5 with (sample or substanbce or fluid) with (compartment or segment or partition or chamber))	US-PGPUB; USPAT	OR	ON	2007/04/26 15:45
L60	1345	L57 and (séparat\$5 with (sample or substanbce or fluid) with (compartment or segment or partition or chamber))	US-PGPUB; USPAT	OR	ON	2007/04/26 15:45

## EAST Search History

L61	1382	L57 and (separat\$5 with (sample or substance or fluid) with (compartment or segment or partition or chamber))	US-PGPUB; USPAT	OR	ON	2007/04/26 17:05
L62	1749	L57 and ((fraction\$4 or separat\$4 or break\$4 or divid\$4 or dissociat\$4 or diintegrat\$4) with sample with (compartment or chamber or channel or partition))	US-PGPUB; USPAT	OR	ON	2007/04/26 16:43
L63	978	L61 and L62	US-PGPUB; USPAT	OR	ON	2007/04/26 15:46
L64	2	L63 and (first adj4 (external adj3 (force or field))) and (second adj4 (external adj3 (force or field)))	US-PGPUB; USPAT	OR	ON	2007/04/26 16:03
L65	2	"20030049659".pn. or "5578460".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:18
L66	12	L61 and ((chamber or compartment) with separat\$4 with (check adj1 valve))	US-PGPUB; USPAT	OR	ON	2007/04/26 16:12
L67	48	asogawa-minoru.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 16:12
L68	2	L67 and (separat\$5 with sample with (compartment or segment or partition or chamber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 16:14
L69	2	"20030049659".pn. or "5578460".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:54
L70	1	L69 and ((field or force) with oppos\$4 with flow)	US-PGPUB; USPAT	OR	ON	2007/04/26 16:24
L71	1	L69 and (electrophoretic adj3 (force or mobility))	US-PGPUB; USPAT	OR	ON	2007/04/26 17:03
L72	2	L69 and fractionate	US-PGPUB; USPAT	OR	ON	2007/04/26 16:41
L73	1694	L57 and ((fraction\$4 or separat\$4 or divid\$4) with sample with (compartment or chamber or channel or partition))	US-PGPUB; USPAT	OR	ON	2007/04/26 16:44
L74	174	L57 and (fluid with (check adj1 valve))	US-PGPUB; USPAT	OR	ON	2007/04/26 16:44

## EAST Search History

L75	22	L74 and L73	US-PGPUB; USPAT	OR	ON	2007/04/26 16:44
L76	34	(electrophoretic adj3 (force or mobility)) and (alternat\$5 adj3 direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 17:08
L77	9	L76 and (separat\$5 with (sample or substance or fluid) with (compartment or segment or partition or chamber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 17:06
L78	8	(electrophoretic adj3 (force or mobility)) and (alternat\$5 adj3 direction) and (revers\$4 with (field or force))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/26 17:09
L79	2	"5167790".pn. or "5135628".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:34
L80	4	L65 or L79	US-PGPUB; USPAT	OR	ON	2007/04/26 17:19
L81	170	((fluid or sample) with transport) and (field with revers\$4) and mobility	US-PGPUB; USPAT	OR	ON	2007/04/26 17:21
L82	6	L81 and ((partition\$5 or fractionat\$4) with (compartment or chameber))	US-PGPUB; USPAT	OR	ON	2007/04/26 17:27
L83	40	L57 and ((fluid or sample) with transport) and (field with revers\$4) and mobility	US-PGPUB; USPAT	OR	ON	2007/04/26 17:21
L84	1	"5133844".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:25
L85	6	L82 and (field with revers\$4)	US-PGPUB; USPAT	OR	ON	2007/04/26 17:31
L86	1	"20040262160".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:53
L87	1	L86 and (field with revers\$4)	US-PGPUB; USPAT	OR	ON	2007/04/26 17:28
L88	2	L79 and (field with revers\$4)	US-PGPUB; USPAT	OR	ON	2007/04/26 17:33
L89	0	L88 and (valve)	US-PGPUB; USPAT	OR	ON	2007/04/26 17:34

## EAST Search History

L90	3	"6440370".pn. or "6830936".pn. or "5989499".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:35
L91	1	L90 and transport and valve	US-PGPUB; USPAT	OR	ON	2007/04/26 17:43
L92	1	"5277556".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:42
L93	6	L82 and transport and valve	US-PGPUB; USPAT	OR	ON	2007/04/26 17:43
L94	28	L83 and transport and valve	US-PGPUB; USPAT	OR	ON	2007/04/26 17:44
L95	5	L94 and ((serial or consecutive) near4 (chamber or compartment))	US-PGPUB; USPAT	OR	ON	2007/04/26 17:47
L96	5	L94 and ((plural\$4 or multi\$3) near4 (chamber or compartment))	US-PGPUB; USPAT	OR	ON	2007/04/26 17:49
L97	2	"20010036672".pn. or "5133844".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 17:54
S29	2	"5593565".pn. or "6027623".pn.	US-PGPUB; USPAT	OR	ON	2007/04/26 13:29